

8/5/2

DIALOG(R) File 351:Derwent WPI

(c) 2001 Derwent Info Ltd. All rts. reserv.

010754811

WPI Acc No: 1996-251766/199625

XRAM Acc No: C96-079736

Enhancing immunogenicity by coupling immunogen to serum albumin-binding protein - useful for preparing improved vaccines, e.g. against Respiratory Syncytial Virus

Patent Assignee: FABRE MEDICAMENT SA PIERRE (FABR)

Inventor: ANDREONI C; BINZ H; NGUYEN NGOC T; NYGREN P A; STAHL S; UHLEN M; NGOC T N; NYGREN A; NGUYEN N T

Number of Countries: 024 Number of Patents: 010

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9614416	A1	19960517	WO 95FR1466	A	19951107	199625 B
FR 2726471	A1	19960510	FR 9413310	A	19941107	199626
ZA 9509419	A	19960731	ZA 959419	A	19951107	199635
AU 9641202	A	19960531	WO 95FR1466	A	19951107	199639
			AU 9641202	A	19951107	
EP 791064	A1	19970827	EP 95939338	A	19951107	199739
			WO 95FR1466	A	19951107	
BR 1100315	A3	19971104	BR 971100315	A	19970422	199751
JP 10509311	W	19980914	WO 95FR1466	A	19951107	199847
			JP 96515110	A	19951107	
NZ 296564	A	19990629	NZ 296564	A	19951107	199931
			WO 95FR1466	A	19951107	
AU 712468	B	19991104	AU 9641202	A	19951107	200003
US 6149911	A	20001121	WO 95FR1466	A	19951107	200101
			US 97836501	A	19970701	

Priority Applications (No Type Date): FR 9413310 A 19941107

Cited Patents: 07Jnl.Ref; EP 327522; US 4415491; WO 9116926; WO 9201471; WO 9306218

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9614416 A1 F 102 C12N-015/31

Designated States (National): AU CA JP NZ US

Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

FR 2726471 A1 27 A61K-039/385

ZA 9509419 A 97 A61K-000/00

AU 9641202 A C12N-015/31 Based on patent WO 9614416

EP 791064 A1 F C12N-015/31 Based on patent WO 9614416

Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

BR 1100315 A3 C12N-015/64

JP 10509311 W 101 C12N-015/09 Based on patent WO 9614416

NZ 296564 A A61K-039/385 Based on patent WO 9614416

AU 712468 B C12N-015/31 Previous Publ. patent AU 9641202

Based on patent WO 9614416

US 6149911 A A61K-039/12 Based on patent WO 9614416

Abstract (Basic): WO 9614416 A

A method of enhancing the immunogenicity of an immunogen, antigen

or hapten, upon admin. to a host by whatever delivery means, the immunogen being covalently coupled to a polypeptide fragment (P) capable of specifically binding to mammalian serum albumin to form a complex, is new.

USE - The complexes and sequences encoding them are useful for preparing vaccines against bacteria, parasites or esp. viruses. The immunogen is pref. derived from a surface glycoprotein (e.g. haemagglutinin neuraminidase HN or fusion protein F) of hepatitis A, B or C virus, measles virus or parainfluenza virus 3. In particular, the immunogen is derived from amino acids 130-230 of Respiratory Syncytial Virus (RSV) sub-group A or B protein G (designated 'G2A').

ADVANTAGE - Immunogenicity of an antigen or hapten is enhanced when covalently coupled to (P). In the specific case where immunogen G2A was fused to BB it was found that BB induces T helper memory cells leading the prodn. of anti-G2A antibodies by stimulated B cells.

Dwg.0/1

Title Terms: ENHANCE; IMMUNOGENIC; COUPLE; IMMUNOGENIC; SERUM; ALBUMIN; BIND; PROTEIN; USEFUL; PREPARATION; IMPROVE; VACCINE; RESPIRATION; VIRUS

Derwent Class: B04; D16

International Patent Class (Main): A61K-000/00; A61K-039/12; A61K-039/385; C12N-015/09; C12N-015/31; C12N-015/64

International Patent Class (Additional): A61K-039/00; A61K-039/002; A61K-039/02; A61K-039/155; A61K-039/29; A61K-039/39; A61K-048/00; C07K-001/10; C07K-014/315; C07K-019/00; C12N-015/45; C12N-015/62; C12N-015/63; C12N-015/74

File Segment: CPI